



Lead Machine Learning (ML) / NLP Engineer (4+ Years)

- Gurugram

About Contify

Contify is a technology company that offers an AI-enabled Market and Competitive Intelligence (MCI) platform to help professionals make informed decisions.

Contify helps organizations such as Ericsson, EY, Wipro, Deloitte, L&T, BCG, MetLife, etc., track information on their competitors, customers, industries, and topics of interest. Contify delivers unique strategic updates by continuously monitoring over 500,000+ sources in real-time.

Contify is rapidly growing, with more than 200 people across two offices in India. Contify is the winner of Frost and Sullivan's Product Innovation Award for Market and Competitive Intelligence Platforms.

About the role

We are looking for a passionate and innovative engineering person for the Lead ML/NLP Engineer position. You'll build Contify's ML and NLP capabilities and help us extract value from unstructured data. Using advanced NLP, ML, and text analytics, you will develop applications that will extract business insights by analyzing a volume's amount of unstructured text information and identifying patterns from the events.

Job Description

You will be responsible for all the processes, from data collection and preprocessing to training models and deploying them to production.

- Understand the business objectives; design and deploy scalable ML models/ NLP applications to meet those objectives
 - Use of NLP techniques for text representation, semantic analysis, and information extraction to meet the business objectives efficiently, along with metrics to measure progress
 - Extend existing ML libraries and frameworks and use effective text representations to transform natural language into valuable features
 - Defining and supervising the data collection process, verifying data quality, and employing data augmentation techniques
 - Defining the pre-processing or feature engineering to be done on a given dataset
 - Analyze the errors of the model and design strategies to overcome them
 - Research and implement the suitable algorithms and tools for ML/ NLP tasks
 - Collaborate with engineering and product development teams
 - Represent Contify in external ML industry events and publish thought leadership articles
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Requirements

Skills and Experience

To succeed in this role, you should possess outstanding skills in statistical analysis, machine learning methods, and text representation techniques.

- Deep understanding of text representation techniques (such as n-grams, bag of words, sentiment analysis, etc.), statistics and classification algorithms
- Hands-on experience in feature extraction techniques for text classification and topic mining
- Knowledge of text analytics with a strong understanding of NLP algorithms and models (GLMs, SVM, PCA, NB, Clustering, DTs) and their underlying computational and probabilistic statistics
 - Word Embedding like Tfidf, Word2Vec, GLove, FastText, etc.
 - Language models like Bert, GPT, RoBERTa, XLNet
 - Neural networks like RNN, GRU, LSTM, Bi-LSTM
 - Classification algorithms like LinearSVC, SVM, LR
 - XGB, MultinomialNB, etc.
 - Other Algos- PCA, Clustering methods, etc
- Excellent knowledge and experience in NLP packages such as NLTK, Word2Vec, SpaCy, Gensim, Stanford CoreNLP, TensorFlow/ PyTorch.



- Experience in setting up supervised & unsupervised learning models, including data cleaning, data analytics, feature creation, model selection & ensemble methods, performance metrics & visualization
- Evaluation Metrics- Root Mean Squared Error, Confusion Matrix, F Score, AUC – ROC, etc
- Understanding of knowledge graph will be a plus

Qualifications

- Education: Bachelors or Masters in Computer Science, Mathematics, Computational Linguistics, or a similar field
- At least 4 years of experience building Machine Learning & NLP solutions over open-source platforms such as SciKit-Learn, Tensorflow, SparkML, etc.
- At least 2 years of experience in designing and developing enterprise-scale NLP solutions in one or more of: Named Entity Recognition, Document Classification, Feature Extraction, Triplet Extraction, Clustering, Summarization, Topic Modelling, Dialog Systems, Sentiment Analysis
- Self-starter who can see the big picture and prioritize your work to make the most significant impact on the business and customer's vision and requirements
- Being a committer or a contributor to an open-source project is a plus

How to Apply:

Send your updated resume to hr.ops@contify.com

Note

Contify is a people-oriented company. Emotional intelligence, therefore, is a must. You should enjoy working in a team environment, supporting your teammates in pursuing our common goals, and working with your colleagues to drive customer value. You strive to improve not only yourself but also those around you.